

Abstract

A method for manufacturing a coated sheet that may form a coated layer having a uniform film thickness by a coating liquid even when a substrate has a large area is provided.

5 A method for manufacturing a coated sheet to form a coated layer by a process including a process (1) for coating a coating liquid including a resin material and a solvent on a substrate, and a drying process (2) for drying a coated liquid, wherein a value L obtained in drying process (2) might satisfy a following relationship.

$$10 \quad L = \int_0^T \frac{\sigma \text{ [mN/m]} \times (h \text{ [m]})^3}{\eta \text{ [mPa} \cdot \text{sec]}} dt > 1.9 \times 10^{-13} \text{ [m}^4 \text{ /sec]}$$

(where: T: total period of drying process [sec]; σ : surface tension of coated liquid [mN/m]; h: thickness of coated liquid [m]; and η : viscosity of coated liquid [mPa·sec])

15 [Selected drawings] Figure 2